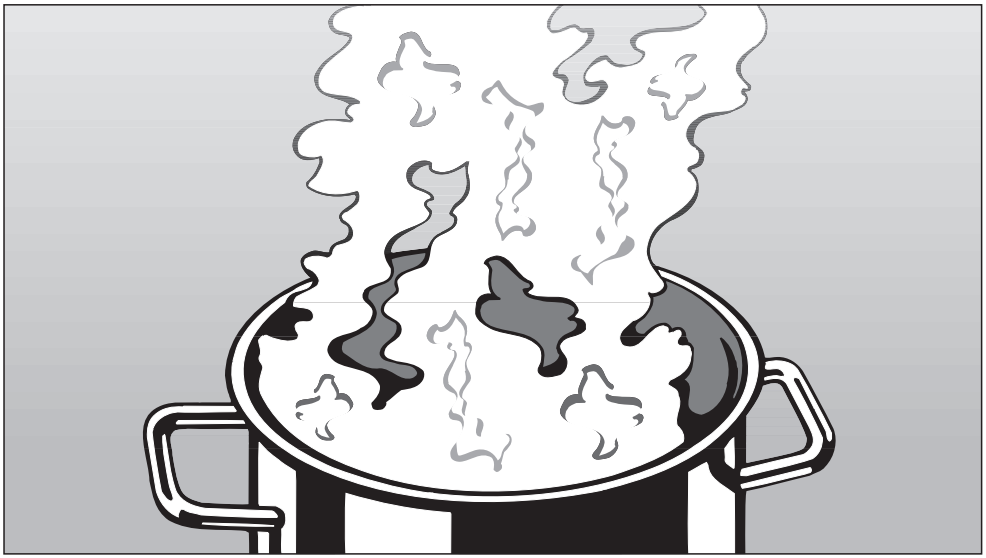
Operating and Installation instructions



Rangehood
DA 249-4,
DA 249-4 EXT,
DA 249-4 Alu,
DA 249-4 Alu EXT

To avoid the risk of accidents or damage to the appliance, it is **essential** to read these instructions before it is installed and used for the first time.

en - AU, NZ

M.-Nr. 09 729 510

Contents

Caring for the environment 4
Warning and Safety instructions 5
Modes of operation 11
Guide to the appliance 12
Miele@home 14
Con@ctivity 14
Operation 15
To switch the fan on 15
To select a power level 15
Intensive setting 15
Run-on option 16
To switch the fan off 16
To switch the cooktop lighting on 17
To dim the cooktop lighting 17
To switch the cooktop lighting off 17
Filter operating hours counter 17
Cleaning and care 21
Housing 21
Stainless steel outer filter and grease filter 22
Fitting and replacing the charcoal filter 25
Changing a halogen lamp 27
Appliance dimensions 28
Safety distance between cooktop and rangehood (S) 29
Installation 30
Assembly parts 30
Installation instructions 32
Protective foil 32
Dismantling 32
Connection for air extraction 33
Condensate trap 34
Silencer 35
Electrical connection 36

Contents

Operation with control module DSM 400 37
Potential free connection 37
Connection to a light switch 37
After sales service 38
Technical data 39

Caring for the environment

Disposal of the packing material

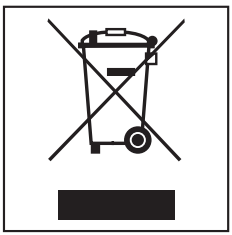
The transport and protective packing has been selected from materials which are environmentally friendly for disposal and can normally be recycled.

Ensure that any plastic wrappings, bags, etc. are disposed of safely and kept out of the reach of babies and young children. Danger of suffocation.

Rather than just throwing these materials away, please ensure they are offered for recycling.

Disposal of your old appliance or machine

Electrical and electronic appliances / machines often contain materials which, if handled or disposed of incorrectly, could be potentially hazardous to human health and to the environment. They are, however, essential for the correct functioning of your appliance or machine. Therefore, please do not dispose of your old machine or appliance with your household waste.



Please dispose of it at your local community waste collection / recycling centre and ensure that it presents no danger to children while being stored for disposal.

It should be unplugged or disconnected from the mains electricity supply by a competent person.
The plug must be rendered useless and the cable cut off directly behind the appliance or the machine to prevent misuse.

This appliance complies with all relevant local and national safety requirements. Inappropriate use can, however, lead to personal injury and damage to property.

To avoid the risk of accidents and damage to the appliance, please read these instructions carefully before using it for the first time. They contain important information on the safety, installation, use and maintenance of the appliance.

Keep these instructions in a safe place and ensure that all users are familiar with the contents. Pass them on to any future owner of the appliance.

Correct application

▶ This rangehood is designed for domestic use and for use in similar environments by guests in hotel or motel rooms, bed & breakfasts and other typical living quarters. This does not include common/shared facilities or commercial facilities within hotels, motels or bed & breakfasts.

▶ It must only be used to extract vapours and remove odours from cooking.

▶ This appliance is not suitable for outdoor use.

Any other usage is at the owner's risk. Miele cannot be held liable for damage resulting from incorrect or improper use or operation.

▶ This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, unless they have been given supervision or instruction concerning its use by a person responsible for their safety.

Safety with children

▶ This appliance is only intended for use by adults who have read these instructions.

▶ This appliance is not a toy! To avoid the risk of injury, keep children well away and do not allow them to play with it or to use the controls. They will not understand the potential dangers posed by it. They should be supervised whenever you are working in the kitchen.

▶ Older children may use the rangehood only when its operation has been clearly explained to them and they are able to use it safely, recognising the dangers of misuse.

▶ Please be aware that on rangehoods with halogen lighting, the lamps will get very hot during use and remain hot for some time after switching off. To safeguard against burning, keep children well away from the lamps at all times.

Technical safety

▶ Before installation, check the rangehood for visible signs of damage. Under no circumstances should you use a damaged appliance. A damaged appliance is dangerous.

▶ Before connecting the appliance to the mains supply, make sure that the voltage and frequency details given on the data plate correspond with the on-site electricity supply, otherwise the appliance could be damaged. Consult a qualified electrician if in any doubt.

▶ The electrical safety of this appliance can only be guaranteed when continuity is complete between the appliance and an effective earthing system which complies with current local and national safety regulations. It is most important that this basic safety requirement is present and tested regularly, and where there is any doubt, the household wiring system should be inspected by a qualified electrician. The manufacturer cannot be held liable for the consequences of an inadequate earthing system (e.g. electric shock).

▶ For safety reasons, this appliance may only be used when it has been fully installed.

▶ Only open the housing as described in the instructions given in the installation sheet and in the Cleaning and care section of this booklet. Under no circumstances should any other parts of the housing be opened. Tampering with electrical connections or components and mechanical parts is highly dangerous to the user, and can cause operational faults.

▶ Installation, maintenance and repairs may only be carried out by a Miele authorised person in accordance with current national and local safety regulations.
Repairs and other work by unqualified persons could be dangerous. The manufacturer cannot be held liable for unauthorised work.

▶ A damaged connection cable must only be replaced by an approved and suitably qualified technician.

▶ Faulty components must only be replaced by genuine Miele original parts. The manufacturer can only guarantee the safety of the appliance when Miele replacement parts are used.

▶ During installation, maintenance and repair work, the appliance must be disconnected from the mains electricity supply. It is only completely isolated from the electricity supply when:

– it is switched off at the isolator, or
– the screw-out fuse is removed (in countries where this is applicable), or
– the mains fuse is disconnected, or
– it is switched off at the wall socket and the plug withdrawn.

▶ Do not connect the appliance to the mains electricity supply by a multi-socket unit or an extension lead. These do not guarantee the required safety of the appliance (e.g. danger of overheating).

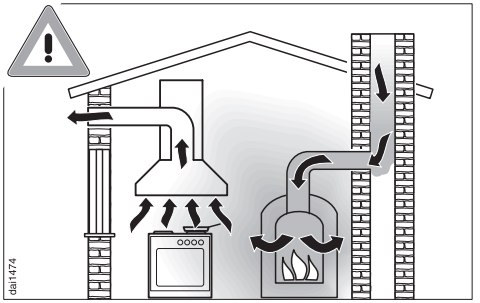
▶ For appliances with an external fan motor fitted (...EXT models) the connection of the two units must be made using the connection cable and the plug connectors.
These models may only be combined with a Miele external motor.

▶ This rangehood must not be installed and operated in mobile installations (e.g. on a ship).

▶ In areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the warranty.

Using at the same time as other heating appliances that depend on the air from the room

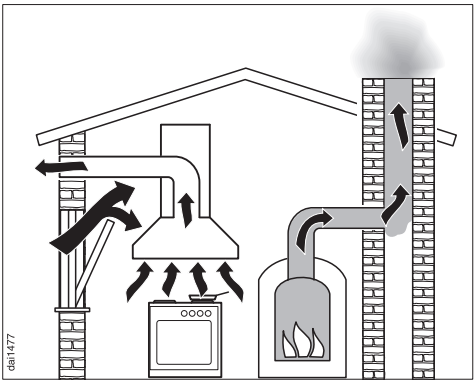
Warning - danger of toxic fumes



▶ Great care should be taken when using the rangehood at the same time and in the same room or area of the house as another heating appliance which depends on the air in the room. Such appliances include gas, oil, wood or coal-fired boilers and heaters, continuous flow or other water heaters, gas cooktops, or ovens which draw air in from the room and duct exhaust gases out through a chimney or extraction ducting.
When used in extraction mode, with or without an external motor fitted, the appliance draws air in from the room in which it is installed **and** from neighbouring rooms.
If there is insufficient air, an underpressure will occur. The heating appliance may be starved of oxygen, impairing combustion.

Harmful gases could be drawn out of the chimney or extraction ducting back into the room, with potentially fatal consequences.

In order to ensure safe operation, and to prevent gases given off by the heating appliances from being drawn back into the room when the rangehood and the heater are in operation simultaneously, an underpressure of 0.04 mbar (4 pa) is the maximum permissible in the room.



Ventilation can be maintained by air inlets which must not be blocked, in windows, doors and outside wall vents, or by other technical measures, such as ensuring that the rangehood can only be switched on when the heating appliance is switched off or vice versa. A ventilation brick alone is not generally sufficient to ensure safe ventilation.

⚠ The overall ventilation condition of the dwelling must be taken into account. If in any doubt, the advice of a competent builder or, for gas, a qualified gas fitter must be sought.

If the rangehood is being operated in recirculation mode, the above restrictions do not apply.

Correct use

▶ Never use an open flame beneath the rangehood. To avoid the danger of fire, do not flambé or grill over an open flame.
When switched on, the rangehood could draw flames into the filter. Fat particles drawn into the rangehood present a fire hazard.

▶ When using the rangehood over a gas cooktop, ensure that any burners in use are always covered by a pan. Switch the cooking zone off when a pan is removed, even for a short time. Regulate the flame so that it does not burn up the sides of the pan.
Do not allow the pans to overheat excessively (e.g. when using a wok). The rangehood can become damaged when exposed to excessive heat.

▶ Always switch the rangehood on when a cooking zone is in use, otherwise condensation may collect in the hood, which could cause corrosion.

▶ When cooking with oil or fat, chip pans and deep fat fryers etc., do not leave the pans unattended. Never leave an open grill unattended when grilling. Overheated oil and fat can ignite and could set the rangehood on fire.

▶ Do not use the rangehood without the filters in place. This way you will avoid the risk of grease and dirt getting into the appliance and hindering its smooth operation.

▶ The filters should be regularly cleaned or changed as appropriate. Saturated filters are a fire hazard. See "Cleaning and care".

▶ The rangehood can get very hot during cooking due to heat rising from the cooktop.
Do not touch the housing or the grease filters until the rangehood has cooled down.

▶ Do not use a steam-cleaner to clean this appliance. Pressurised steam could reach the electrical components and cause a short circuit.

Correct installation

▶ Refer to the cooktop manufacturer's instructions as to whether a rangehood may be operated above the cooktop.

▶ The minimum safety distances between the top of the cooktop or cooktop and the bottom of the rangehood given in the "Appliance dimensions" section of this booklet must be maintained, unless the cooktop manufacturer states that a greater safety distance is required.

If more than one cooking appliance is fitted beneath the rangehood, and they have different minimum safety distances to the rangehood, select the greater distance.

▶ Safety regulations prohibit the fitting of a rangehood over solid fuel stoves.

▶ All ducting, pipework and fittings must be of non-flammable material. These can be obtained from Miele or from builders' merchants.

▶ The appliance must not be connected to a chimney or vent flue which is in use. Neither should it be connected to ducting which ventilates rooms with fireplaces.

▶ If exhaust air is to be extracted into a chimney or ventilation duct no longer used for other purposes, seek professional advice.

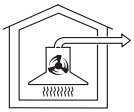
Accessories

▶ Only use genuine Miele spare parts and accessories with this appliance. If spare parts or accessories from other manufacturers are used, this will invalidate the warranty, and Miele cannot accept liability.

The manufacturer cannot be held liable for damage caused by non-compliance with these Warning and Safety instructions.

The rangehood works with

. . . air extraction:



The air is drawn in and cleaned by the stainless steel outer filter and the grease filter, and then directed outside.

If the on-site ventilation system does not have a **non-return flap**, then the non-return flap supplied with the appliance must be fitted

Having a non-return flap fitted in the ducting ensures that air, once ducted to the outside, cannot get back into the room again.

The flap is closed when the rangehood is switched off.

When the rangehood is switched on, the non-return flap opens for the cooking vapours to be blown directly outside.

Please note, the performance of this rangehood hinges greatly on the installed ducting to vent the vapours. Poor choice of ducting results in poor rangehood performance. For ducting recommendations, please refer to the relevant section in these operating instructions or contact a specialised installer.

. . . air recirculation:

(available as an optional extra with a conversion kit and charcoal filter: see "Technical Data")

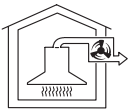
The air is drawn in and cleaned first by the stainless steel outer filter and the grease filter and then by a **charcoal filter**. The cleaned air is then recirculated back into the kitchen through grilles in the top of the rangehood extension piece.

Charcoal filters are available to order through your Chartered Agent or from Miele. (See back cover for contact details and "Technical Data" for model number).

Before using the rangehood in recirculation mode, ensure that the charcoal filter is in place. See "Cleaning and care".

. . . an external motor:

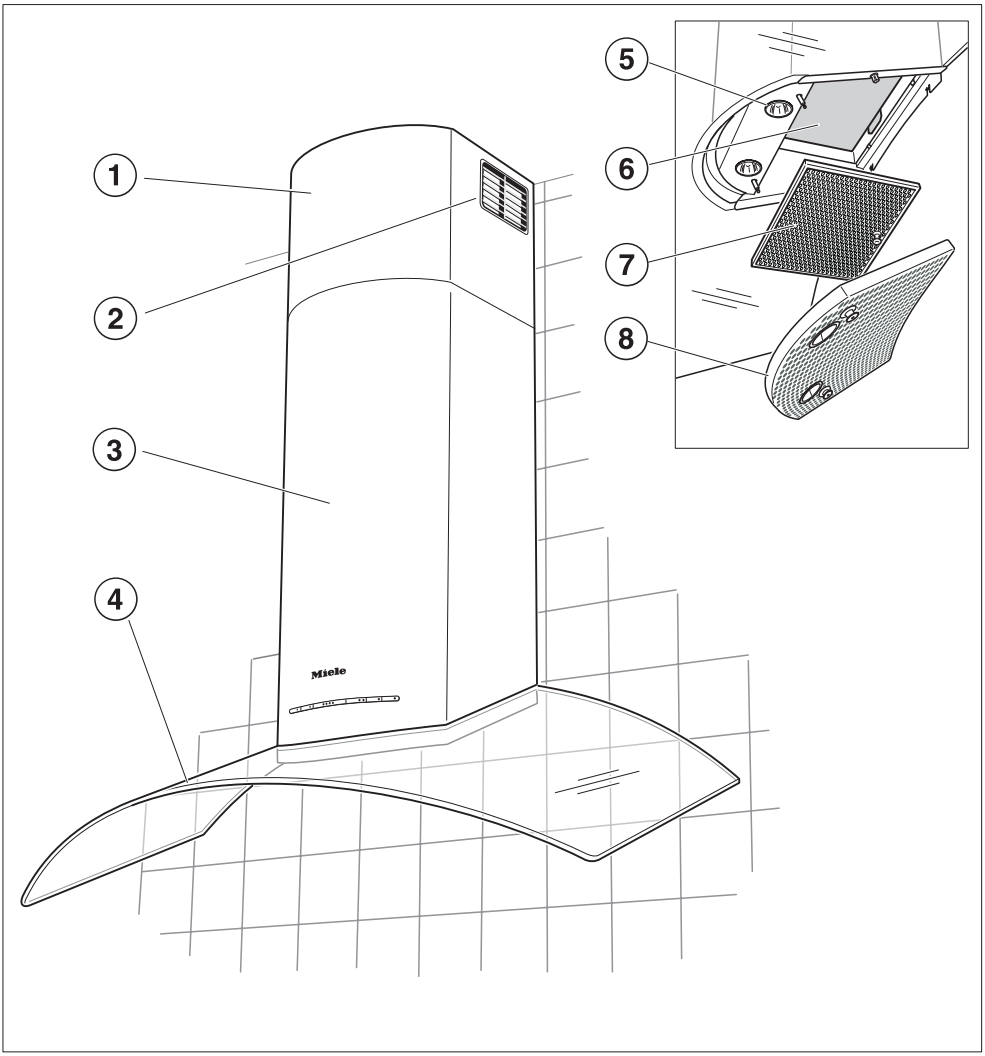
(EXT models only)



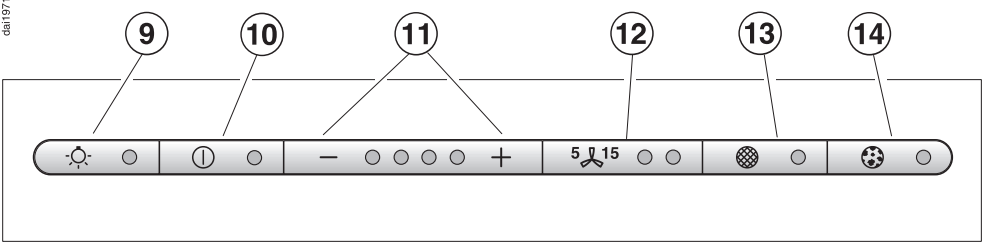
EXT models are designed to be connected to an external motor located outside the room.

The external motor is connected to the rangehood by means of a control cable, and is operated by the controls on the rangehood.

Guide to the appliance



dar1971



① Telescopic extension piece

② Recirculation grille

(optional accessory for recirculation mode only)

③ Tower

④ Canopy

⑤ Cooktop lighting

⑥ Charcoal filter

(special accessory for recirculation mode)

⑦ Grease filter

⑧ Stainless steel outer filter

⑨ Touch control for the cooktop lighting

This control switches the lighting on and off, and is also a dimmer switch.

⑩ On/Off touch control for the fan

⑪ Controls to select the fan power level

⑫ Touch control for the run-on option

The fan can be set to switch off automatically after either 5 or 15 minutes.

⑬ Touch control for the grease filter

The indicator lamp for the grease filter touch control lights up when the grease filter and the outer filter need to be cleaned.

The touch control is used to reset the operating hours counter every time the grease filter and the outer filter are cleaned (see "Cleaning and care").

It can also be used to check and alter the operating hours counter.

⑭ Touch control for the charcoal filter

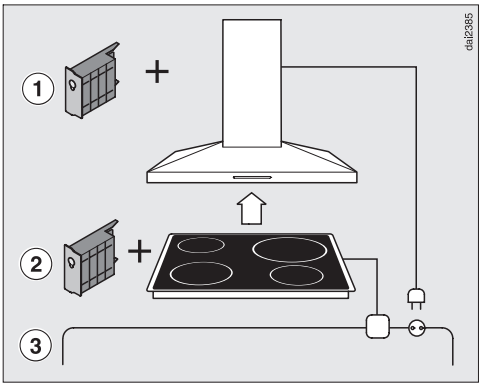
The indicator lamp for the charcoal filter lights up when the charcoal filter used in recirculation mode needs to be replaced. For this to happen, the operating hours counter needs to be activated before the appliance is used for the first time.

The touch control is used to reset the operating hours counter every time the charcoal filter is replaced (see "Cleaning and care").

It can also be used to check and alter the operating hours counter.

For information about using the appliance, see "Operation".

Con@ctivity



This rangehood is communication enabled.

Communication module XKM 2000 DA ①, available as an optional extra, enables the operation of the rangehood to be automatically controlled by the operating status of a Miele electric cooktop with onset controls.

For communication to take place, the cooktop must be fitted with communication module ②.

The cooktop transmits information about its operating status to the rangehood via the household power supply (Powerline) ③.

– When the cooktop is switched on, the cooktop lighting and the rangehood fan also switch on.
– During cooking the rangehood automatically sets the fan's power level according to the number of cooking zones in operation and their power levels.
– After switching the cooktop off, the fan and the cooktop lighting will switch off automatically after a period of time.

For detailed information about this function, please read the separate instruction booklet supplied with the XKM 2000 DA communication module.

The communication module is fitted to the rangehood in the area of the fan and is connected to the controls of the rangehood.

This module must be installed by a Miele service technician or suitably qualified electrician.

To switch the fan on

■ Press the On/Off control.

The fan will come on at power level "II".

The indicator lamp will come on.

To select a power level

■ Use the **–** / **+** controls to select the power level required.

+ control = higher setting
– control = lower setting

Depending on the intensity of the cooking vapours, levels I to III are usually sufficient for normal cooking.

Intensive setting

When frying or cooking food with a strong aroma, you may wish to select the Intensive setting, level IV for a short period.

Automatic switch-off of the Intensive setting

You can set the Intensive setting so that it only runs for 10 minutes before reverting automatically to level III.

■ To set this option, both the fan and the cooktop lighting must be switched off.

■ Press the run-on option control for approximately 10 seconds. The first fan setting indicator will light up.

■ Then press in turn,

– the cooktop lighting control,

– the **–** control, and

– finally the cooktop lighting control again.

The indicator lamps for fan power levels I and IV will flash if the automatic switch-off for the Intensive setting is not activated.

- Press the **+** control to activate automatic switch-off.
  The indicator lamps for fan power levels I and IV will now light up constantly.
  Press the **–** control to deactivate the automatic switch-off function.

- Press the run-on option control to confirm.

If you do not confirm your selection within 4 minutes, the rangehood will automatically revert to the original setting.

Run-on option

It is advisable to run the fan for a few minutes after cooking is finished to neutralise any lingering odours in the air, whether you are using air extraction or recirculation mode.

The fan can be set to switch off automatically after either 5 or 15 minutes:

- After cooking is finished, press the run-on option control whilst the fan is still running.

– Press once = The fan will switch off after 5 minutes
(left-hand indicator lamp).

– Press twice = The fan will switch off after 15 minutes
(right-hand indicator lamp).

To switch off the run-on option, press the run-on option control again. The appliance will then not switch off automatically.

To switch the fan off

- Press the On/Off control to switch the fan off.

The indicator lamp will go out.

To switch the cooktop lighting on

The cooktop lighting can be switched on and off independently of the fan.

- Briefly press the lighting control to switch on the cooktop lighting.

The indicator lamp will come on.

The cooktop lighting will switch on at maximum brightness.

To dim the cooktop lighting

The brightness of the lighting can be adjusted.

- With the lighting switched on, press and hold the cooktop lighting control in.
  The brightness will gradually dim until you release the control.
- Press the control in again to increase the brightness to the level required, and then release it.

If you keep the control pressed in, the light will continually change between bright and dim.

To switch the cooktop lighting off

- Press the cooktop lighting control briefly to switch the lighting off.

The indicator lamp will go out.

Safety cut-out

Should the rangehood be left on, the fan will switch off automatically after 10 hours. The lighting will remain on.

- Pressing the On/Off control will switch the fan back on again.

Filter operating hours counter

The number of hours the appliance has been in operation is stored in memory.

The operating hours counter tells you when the grease filters or charcoal filter need to be cleaned or replaced.

Resetting the operating hours counter for the grease filter

After 30 hours of operation (or another time if the operating hours counter has been altered), the grease filter indicator lamp will light up. The grease filter and the stainless steel outer filter must then be cleaned.

Afterwards, the filter operating hours counter must be reset.

- To do this, press and hold the grease filter control in for approximately 3 seconds while the fan is switched on.

The indicator lamp for the control will go out.

Reading the filter operating hours counter

To check the percentage of time set already used:

■ Press the On/Off control to switch the fan on.

■ Press and hold the grease filter control.

One or more of the indicator lamps for the **–** / **+** controls will flash.

The number of flashing lamps shows the percentage of the operating time which has already been used up.

1 lamp = 25 %
2 lamps = 50 %
3 lamps = 75 %
4 lamps = 100 %

The number of operating hours used remains in the memory, even when the appliance is switched off or there is a power cut.

Altering the filter operating hours counter

The filter operating hours counter is set at 30 hours. This can be lengthened or shortened to suit the type of cooking you do. You can choose 20, 30, 40 or 50 hours.

– Select a short time if you roast or fry a lot.

– If you use very little fat for cooking, select a longer time.

– If you only cook occasionally, we recommend that you still select a short time, because grease which has built up gradually over a long period of time will harden on the grease filters and make cleaning more difficult.

■ Press the On/Off control to switch the fan off.

■ Press the run-on option control and the grease filter control at the same time.

The indicator lamp for the grease filter control and one of the **–** / **+** indicator lamps will flash.

The **–** / **+** indicator lamps show the time which has been set:
1st lamp from the left = 20 hours
2nd lamp from the left = 30 hours
3rd lamp from the left = 40 hours
4th lamp from the left = 50 hours

- Use the **–** / **+** controls to select the desired time.

- Confirm the selection by pressing the grease filter control.

All the indicator lamps will go out.

If you do not confirm your selection within 4 minutes, the rangehood will automatically revert to the original setting.

Activating and altering the operating hours counter for the charcoal filter

(in recirculation mode)

The charcoal filter is needed for recirculation mode.

On delivery, the operating hours counter for the charcoal filter is **switched off**.

For recirculation mode, the operating hours counter needs to be set to suit the type of cooking you do:

- Press the On/Off control to switch the fan off.

- Press the run-on option and the charcoal filter controls at the same time.

The indicator lamp for the charcoal filter control and one of the lamps above the **–** / **+** controls will flash.

The **–** / **+** control lamps show the time which has been set:
1st lamp from the left = 120 hours
2nd lamp from the left = 180 hours
3rd lamp from the left = 240 hours
4th lamp from the left = deactivated

- Use the **–** / **+** controls to select the desired time.

- Confirm the selection by pressing the charcoal filter control.

All the indicator lamps will go out.

If you do not confirm your selection within 4 minutes, the rangehood will automatically revert to the original setting.

Resetting the operating hours counter for the charcoal filter

The indicator lamp for the charcoal filter control will light up after the rangehood has operated for the number of hours set. The charcoal filter must then be replaced with a new one.

Afterwards, the filter operating hours counter must be reset.

- Press and hold the charcoal filter control for about 3 seconds while the fan is switched on.

The indicator lamp for the charcoal filter touch control will go out.

Reading the operating hours counter for the charcoal filter

To check the percentage of time set already used:

- Press the On/Off control to switch the fan on.

- Press and hold the charcoal filter control.

One or more of the indicator lamps for the **–** / **+** controls will flash.

The number of flashing lamps shows the percentage of the operating time which has already been used up.

1 lamp = 25 %
2 lamps = 50 %
3 lamps = 75 %
4 lamps = 100 %

The number of operating hours used remains in the memory, even when the appliance is switched off or there is a power cut.

⚠ Before any cleaning or maintenance work is carried out, disconnect the rangehood from the mains supply. Ensure that:
– it is switched off at the wall socket and the plug removed, or
– the mains fuse is withdrawn, or
– the screw-out fuse is removed (in countries where this is applicable).

⚠ Exercise caution when changing halogen lamps. They get very hot during use, and remain hot for some time after being switched off. Do not touch the surface directly when changing a lamp, as grease particles from your fingers will adhere to the surface and damage it.
The halogen lamps can also be damaged if water is used to clean them.
Wait several minutes after switching off before beginning cleaning.

A range of Miele branded cleaning and conditioning agents are available to order through your Miele Chartered Agent, from Miele, or via the internet at www.miele-shop.com.

Original Miele all purpose microfibre cloth

- The Original Miele all purpose microfibre cloth is available from Miele and at www.miele-shop.com and is suitable for cleaning surfaces such as stainless steel, glass, plastic and chrome without the use of chemicals. It can be washed 300 times.

Housing

General notes

The surfaces and controls are susceptible to scratches and abrasions. Please observe the following cleaning instructions.

- All external surfaces and controls can be cleaned using the Original Miele all purpose microfibre cloth, or with warm water and a small amount of washing-up liquid applied with a well wrung-out soft sponge or cloth.
- Wipe the surfaces dry using a soft cloth.

Do not use too much water when cleaning the controls. Water could penetrate into the electronics and cause damage.

Do not use any of the following to clean any surfaces:

– cleaning agents containing soda, acids, chlorides or solvents,

– abrasive cleaning agents, e.g. powder cleaners and cream cleaners.

– abrasive sponges, e.g. pot scourers, or sponges which have been previously used with abrasive cleaning agents.

Please note the following advice for cleaning different surfaces.

Important for appliances with stainless steel housing

(This infomation does not apply to the controls).

Stainless steel surfaces can be cleaned using the Original Miele all purpose microfibre cloth, or with a proprietary non-abrasive cleaning agent designed specifically for use on stainless steel.

To help prevent re-soiling, a conditioning agent for stainless steel can also be used.
Follow the manufacturer's instructions and apply sparingly with an even pressure following the direction of the grain.

Important for appliances with aluminium housing:

Aluminium is affected by the way that light falls on it, by the surrounding environment and by the angle you observe it from.

Aluminium surfaces and controls may suffer discolouration or damage if soiling is left on for too long.
Remove any soiling straight away.

Observe the General notes on cleaning earlier in this section.

Do not use:

– stainless steel cleaning agents,
– cleaning agents containing descaling agents,
– dishwasher cleaner,
– oven sprays.

Controls

The controls may suffer discolouration or damage if soiling is left on them for too long.
Remove any soiling straight away.

Observe the "General notes" on cleaning earlier in this section.

Do not use stainless steel cleaning agents on the controls.

Glass surfaces

Glass surfaces can be cleaned using a proprietary non-abrasive cleaning agent designed specifically for use on glass.
Avoid oven sprays.

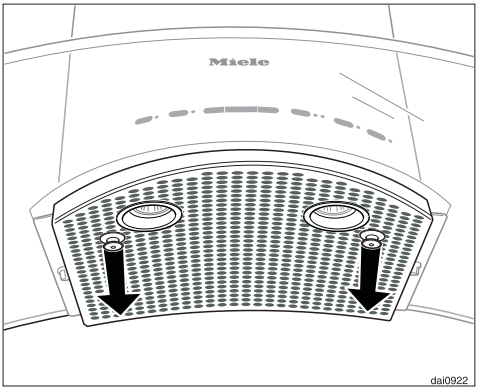
Stainless steel outer filter and grease filter

The stainless steel outer filter and the re-usable metal grease filter remove solid particles from the kitchen vapours (grease, dust, etc.), preventing soiling of the rangehood.

The stainless steel outer filter and grease filter should be cleaned regularly (at least every 3-4 weeks) to avoid a built-up of grease, but always clean them immediately if the grease filter indicator light comes on.
Both the outer filter and the grease filter should be cleaned.

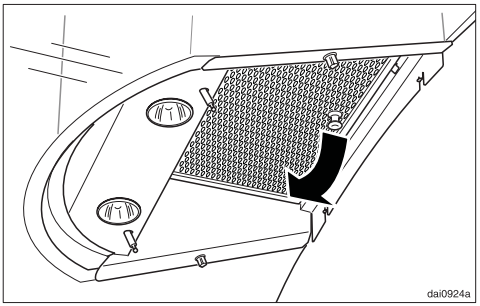
⚠ An oversaturated filter is a fire hazard.

To remove the stainless steel outer filter



- To remove the outer filter, pull down on the quick-release catches. When doing this, hold the filter securely so that it does not fall on the cooktop surface below.

To remove the grease filter



- Hold the grease filter by the grip, and pull it downwards to remove it.
  Take care not to let the grease filter fall onto the cooktop.

Cleaning the grease filter and the outer filter by hand

- Clean the grease filter and the outer filter with a soft nylon brush in a mild solution of hot water and a small amount of washing-up liquid.
  Do not use undiluted washing up liquid.

Do not use:

– cleaning agents containing descaling agents,

– powder cleaners, cream cleaners or abrasive all-purpose cleaning agents,

– oven sprays.

Cleaning the grease filter and the outer filter in the dishwasher

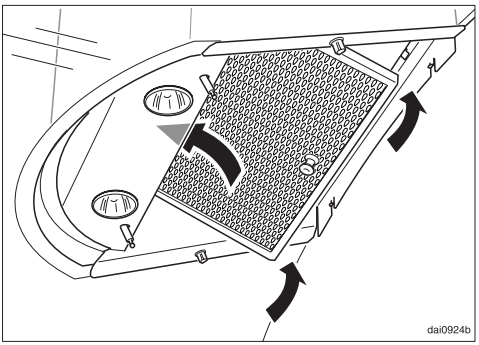
- Place the filters as upright as possible in the lower basket. Ensure the spray arm is not obstructed.
- Do not wash at more than 65 °C. If a Miele dishwasher is being used, select the Sensor wash programme.
- Use a mild dishwasher detergent.

Depending on the cleaning agent used, cleaning the filters in a dishwasher can cause permanent discolouration to the surface. However, this will not affect the functioning of the filters in any way.

- After cleaning, leave the filters to dry for a while on an absorbent surface before putting them back in place.
- When removing the filters for cleaning, also clean off any residues of oil or fat from the now accessible housing to prevent the risk of these catching fire.
- After cleaning the filters, press the grease filter control for approximately 3 seconds to reset the operating hours counter.
  The indicator lamp will go out.

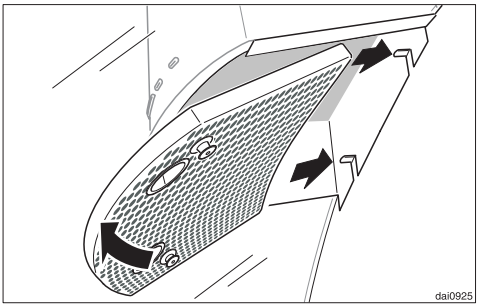
If the stainless steel outer filter and the grease filter are cleaned **before** the operating hours counter has reached its maximum, the grease filter control should be pressed for approximately 6 seconds to reset the counter to zero.

To replace the grease filter



- Holding the grease filter at an angle, fit it into the front of the chimney and then push it into position along the front edge.
- Then push it up into position at the back, making sure it clicks into position on both sides.

To replace the stainless steel outer filter



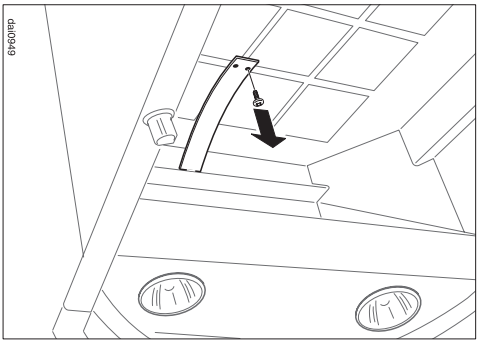
- Fit the outer filter into the appliance so that it hooks into the retainers at the back, then push it upwards at the front and make sure it engages in the quick-release mechanism.

Fitting and replacing the charcoal filter

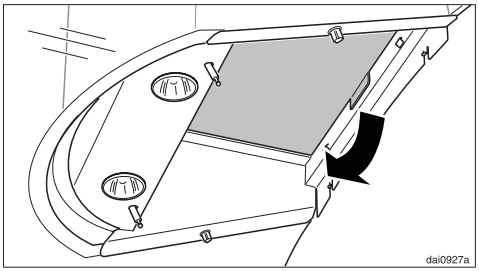
If the rangehood is connected for recirculation, a charcoal filter must be inserted in addition to the grease filter. This is designed to absorb cooking odours.
It is fitted in the chimney above the grease filter.

> Replacement charcoal filters can be obtained from your Chartered Agent or Miele.
> See back cover for contact details, and "Technical data" for type and reference number.

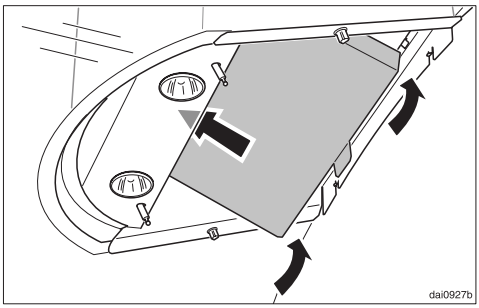
- Before fitting or replacing the charcoal filter, the outer filter and the grease filter must first be taken out. See previous section for instructions on how to do this.



- When fitting for the first time:
  A guide is installed for extraction mode which has to be removed for recirculation mode.
  Loosen the screws on it, and remove it.



- To remove the charcoal filter, pull down on the tab at the back of the filter.
- Take the new filter out of its packaging.



- Fit the filter into the front of the chimney; push it upwards at the back, and press it firmly into position.
- Replace the grease filter and then the outer filter.

When fitting for the first time:

- Activate the operating hours counter (see "Use").

Always replace the filter immediately if the lamp for the charcoal filter touch control comes on, or if it is no longer effective in absorbing kitchen odours. It should be replaced at least every 6 months.

Used charcoal filters can be disposed of with the normal household waste.

- After fitting a new charcoal filter, press the charcoal filter touch control for approximately 3 seconds to re-set the operating hours counter. The indicator lamp will go out.

If a charcoal filter is replaced before the operating hours counter has reached its maximum, the charcoal filter touch control should be pressed for approximately 6 seconds to reset the counter.

Changing a halogen lamp

■ Before any cleaning or maintenance work, disconnect the rangehood from the mains supply. Ensure that:

– it is switched off at the isolator, or

– it is switched off at the wall socket and the plug is withdrawn, or

– the mains fuse is disconnected, or

– the screw-out fuse is removed (in countries where this is applicable).

⚠ Exercise caution when changing halogen lamps. They get very hot during use and remain hot for some time after being switched off. Let them cool down before you change them.

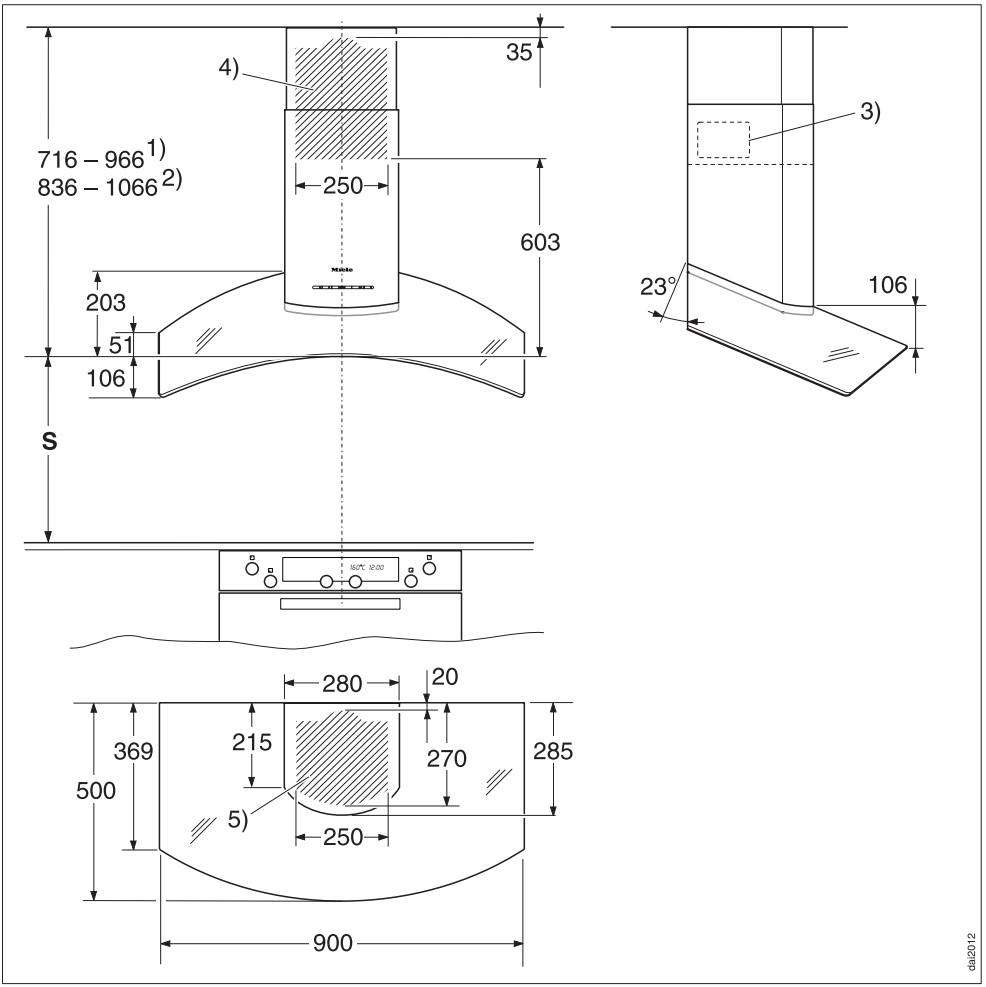
■ Remove the stainless steel outer filter (see "Cleaning and care").

■ Pull the halogen lamp out of its socket. Take care not to let the lamp fall onto the cooktop below.

■ Insert the new halogen lamp into its socket and carefully push into position.

When replacing a defective lamp, it is suggested that you use exactly the same type of lamp (see "Technical data" for lamp specification).

Appliance dimensions



The diagram is not drawn to scale.

1) Extraction

2) Recirculation

3) Ventilation grille positioned at the top for recirculation

4) and 5):
(5 is not required for recirculation mode rangehoods)
The shaded area represents the wall or ceiling area for the vent cut-out, for fitting the connection socket and on EXT models for feeding the connection cable through to the external motor.
For recirculation mode, only a connection socket needs to be fitted.

Connection for air extraction
∅ 150 mm (recommended), or ∅ 125 mm with reducing collar. Please note, using 125 mm ducting limits air through put and thus rangehood performance.

Safety distances between cooktop and rangehood (S)

The minimum safety distances between the top of a cooktop and the bottom of the rangehood are as follows, unless a greater distance is specified by the manufacturer of your cooking appliance:

Cooking appliance	Distance S
Electric cooktop	600 mm
Open electric grill	650 mm
Deep fat fryer (electric)	650 mm
Multi-burner gas cooktop with maximum 45.4 MJ/h total output, with no burner having a greater output than 16.2 MJ/h.	650 mm
Multi-burner gas cooktop with total output greater than 45.4 MJ/h, or a gas cooktop including a single burner with an output greater than 16.2 MJ/h.	760 mm
Single gas cooktop with a maximum output of 21.6 MJ/h	650 mm
Single gas cooktop with a maximum output greater than 21.6 MJ/h	760 mm

See "Warning and Safety" instructions for further information.

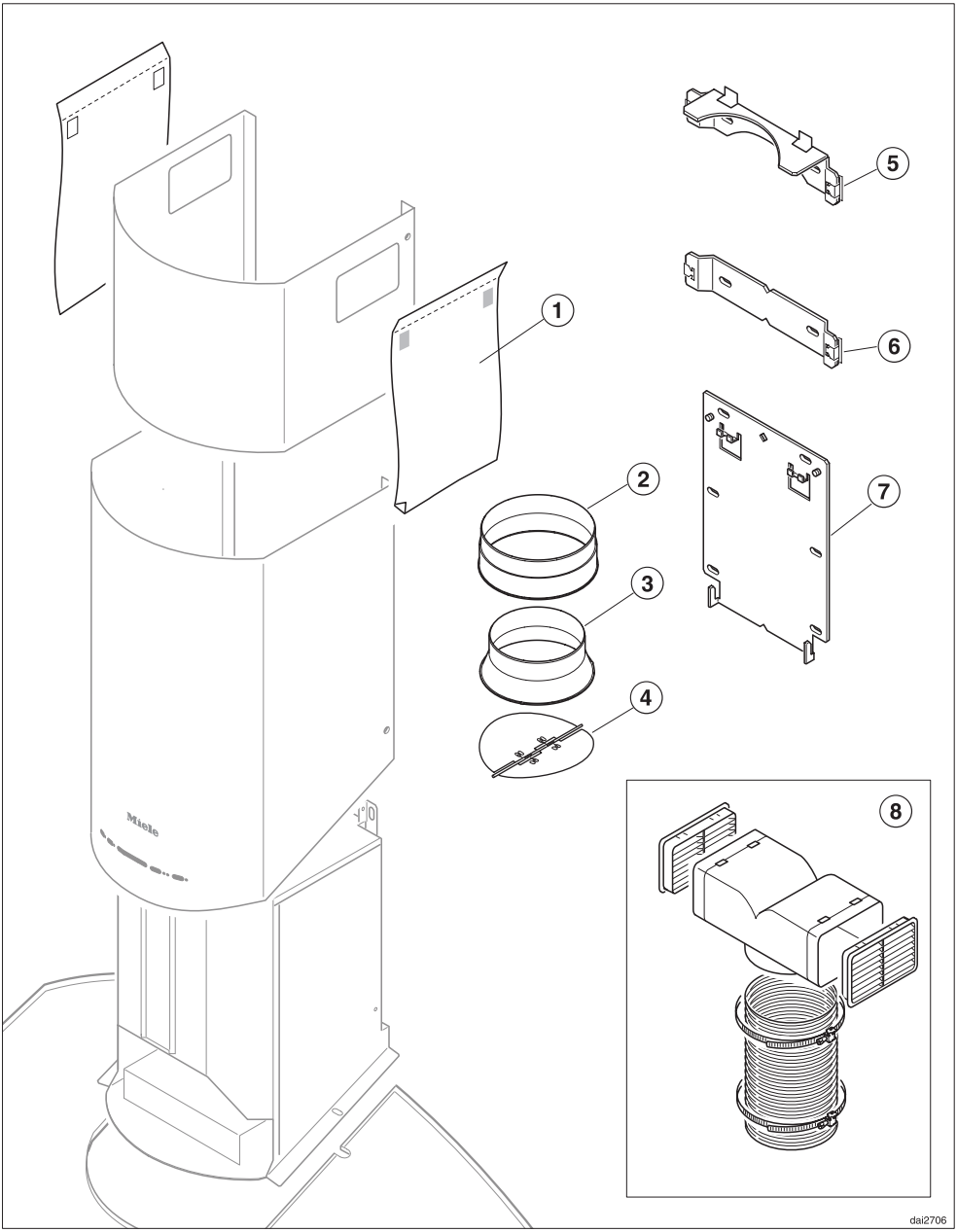
– When deciding on the safety distance between the cooktop and rangehood, please note that a distance of 650 mm above electric cooktops may be preferable to give more working space under the rangehood.

– Account should also be taken of the height of the person who will be using the rangehood most often. The person should have sufficient space to work comfortably at the cooktop, and also be able to reach the rangehood controls with ease.

– If positioned too high, extraction will be inefficient.

– The height of the cooking appliance must be taken into account when planning the installation height of the rangehood.

Assembly parts



① **2 protective sheets**
for use when fitting the tower.

② **1 exhaust connection** for exhaust ducting ∅ 150 mm.

③ **1 reducing collar**
for exhaust ducting ∅ 125 mm.

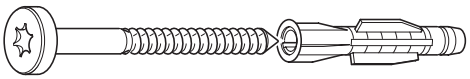
④ **1 non-return valve**
for fitting into the exhaust connection on the motor unit (not needed for recirculation mode).

⑤ **Upper retaining plate**
for securing the extension piece.

⑥ **Middle retaining plate**
for securing the extension piece.

⑦ **Lower retaining plate**
for securing the appliance unit.

⑧ **Conversion kit for recirculation mode**
including directional unit and flexible aluminium hose with clips (this is not included, but is available as an optional extra - see Technical Data).

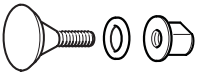


8 screws 5 x 60 mm and
8 plugs 8 x 50 mm
for securing the retaining plates.

⚠ The screws and plugs are designed for use in solid walls only. For other types of wall construction, alternative fixings will be required. Make sure that the wall is able to take the weight of the rangehood.

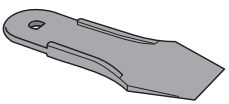
2 x M 6 self-tapping nuts
for securing the appliance.

2 screws 3.9 x 7.5 mm
for securing the tower.

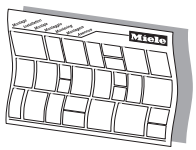


2 x M4 screws with nuts and plastic washers
for securing the glass canopy

1 cover cap



1 lever for removing the tower.



Installation sheet DIN A3

Before installation, it is important to read the information given on the following pages as well as the "Appliance dimensions" and the "Warning and Safety instructions" at the beginning of this booklet.
This is particularly crucial when using the rangehood at the same time as a heating appliance that relies on oxygen from the same room to avoid the danger of toxic fumes building up.

Installation instructions

See enclosed Installation sheet for instructions on how to install this appliance.

Protective foil

(on stainless steel appliances)

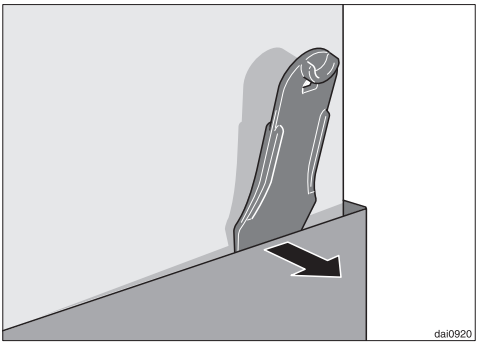
The tower and extension piece have protective foil around them to prevent them being damaged during transport.

Please remove this foil before fitting them. It can be peeled off easily.

Dismantling

Should the appliance need to be dismantled, follow the installation instructions in reverse order as described on the Installation sheet.

A lever is supplied to assist with the removal of the tower.



- After loosening the fixing screws on the tower, push the lever between the tower and the extension piece to lever the tower out of its fixings.

Important: To avoid the danger of toxic fumes, please observe the Warning and Safety instructions. This is especially crucial when using the rangehood at the same time as another heating appliance which relies on air from the same room. The rangehood should be installed according to local and national building regulations. Seek approval from the building inspector where necessary.

– Only use smooth pipes or flexible hoses made from non-flammable materials for extraction connection.

– When using an external motor, make sure that the extraction ducting is sufficiently rigid. The external motor can cause an underpressure which can result in the exhaust ducting distorting.

To achieve the greatest possible air extraction with the lowest noise level, please note the following:

– The diameter of the exhaust ducting should not be less than 150 mm.

– If flat ducting is being used, the diameter must not be smaller than the diameter of the exhaust connection.

– If exhaust ducting with a diameter of less than 150 mm, or if flat ducting is used, the noise level of the rangehood will increase and extraction will be less efficient.

– The exhaust ducting should be as short and straight as possible.

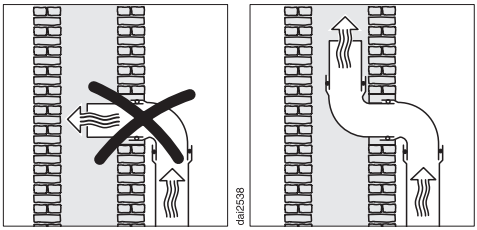
– Only use wide radius bends.

– The exhaust ducting should not be kinked or compressed.

– Ensure that all connections are strong and airtight.

– Where ducting is horizontal, it must be laid to slope away at at least 1 cm per metre. This is to ensure that condensate cannot drain back into the rangehood.

– If the exhaust air is to be ducted into the open air, the installation of a telescopic wall vent or roof vent is recommended.



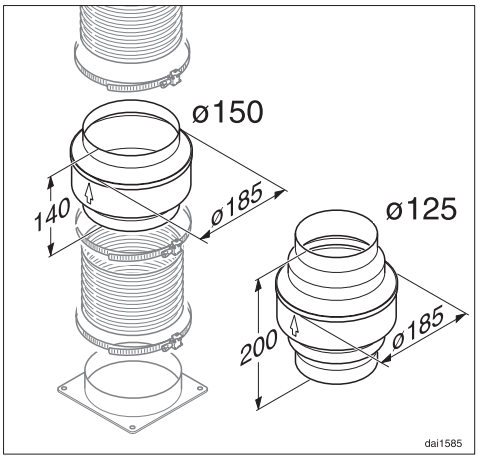
– If the exhaust air is to be ducted into a vent flue, the ducting must be directed in the flow direction of the flue.

Important!

If the exhaust ducting is to run through rooms, ceiling space etc. where there may be great variations in temperature between the different areas, the problem of condensation will need to be addressed. The exhaust ducting will need to be suitably insulated.

Condensate trap

(optional extra)



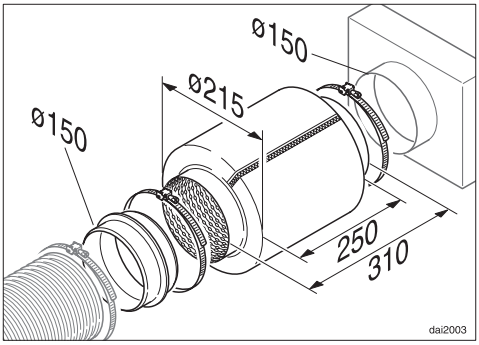
In addition to insulating the exhaust ducting, we recommend that a suitable condensate trap is also installed to collect and evaporate any condensate which may occur. Condensate traps are available for ∅ 125 mm or ∅ 150 mm ducting.

When installing a condensate trap, ensure that it is positioned vertically and, if possible, directly above the exhaust connection. The arrow on the housing indicates the direction of air-flow.

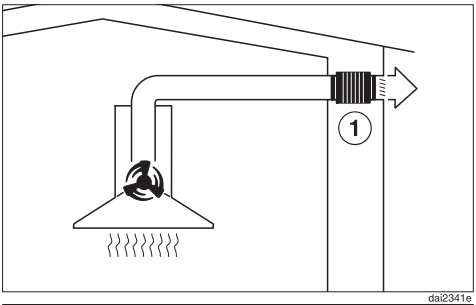
The condensate trap will be integrated in rangehoods which are designed to be connected to an external fan (model EXT).

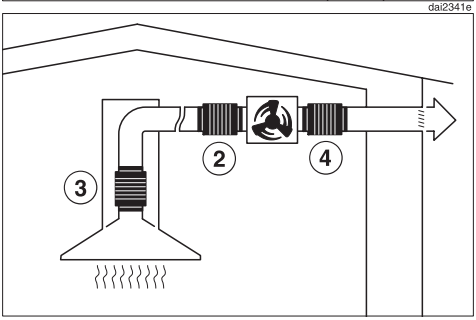
Silencer (DASD 150)

(optional extra)



To achieve even further reductions in noise levels, a special silencer can be fitted in the ducting system...





. . . With air extraction:

The silencer not only reduces noise from the motor outside the house, but also sounds from outside (e.g. traffic noise).
For this reason, the silencer must be positioned as close as possible to the ducting exit ①.

. . . With air extraction with an external motor:

To minimise fan noise in the kitchen, the silencer should be positioned in front of the motor ② and, with longer exhaust ducting, on the exhaust connection ③ of the rangehood.

With an external motor installed within the house, the use of a silencer behind the external motor ④ enables a reduction of fan noise by directing it outside.

In all modes of operation, the most effective noise reductions are achieved if two silencers are fitted one behind the other in the system.

Electrical connection

All electrical work should be undertaken by a suitably qualified and competent person in strict accordance with current national and local safety regulations.

Installation, repairs and other work by unqualified persons could be dangerous, for which the manufacturer cannot be held liable.

Ensure power is not supplied to the appliance until after installation or repair work has been carried out.

Do not connect the appliance to the mains electricity supply by an extension lead. These do not guarantee the required safety of the appliance.

The connection data is given on the data plate. This is visible when the grease filters have been removed. Ensure that this data matches the household mains supply.

Connection of this appliance should be made via a suitable isolator which complies with national and local safety regulations and the On-Off switch should be easily accessible after the appliance has been built in.

If the switch is not accessible after installation, an additional means of disconnection must be provided for all poles.

For extra safety, it is advisable to install a suitable residual current device (RCD). Contact a qualified electrician for advice.

Important

This appliance is supplied for connection to an AC 230 V single phase 50 Hz supply.

The wires in the mains lead are coloured in accordance with the following code:

Green/yellow	= earth
Blue	= neutral
Brown	= live

WARNING:
THIS APPLIANCE MUST BE EARTHED

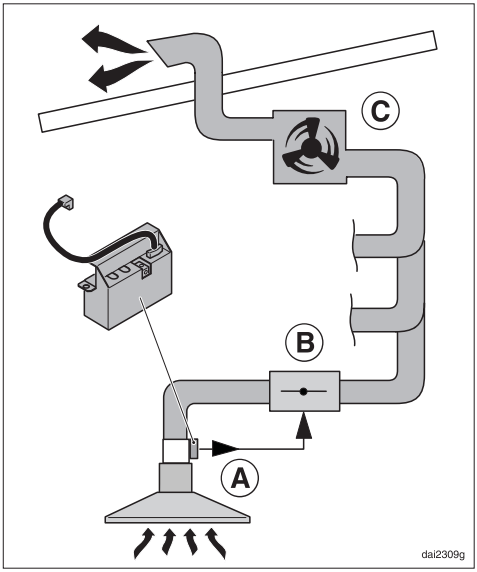
If the connection cable is damaged, it must be replaced by the manufacturer or similarly qualified persons to avoid a hazard.

The Miele DSM 400 can be used to combine the rangehood with other components.

It enables the following:

Potential free connection

This is used for controlling another appliance with the help of the rangehood's On/Off button ⏻.



The potential free contact of the DSM 400 Ⓐ can be installed in an ...EXT model, for instance, which is connected to a central extraction system.
The contact can be used to activate a motorised shut-off flap Ⓑ which is installed before the central extraction system Ⓒ.

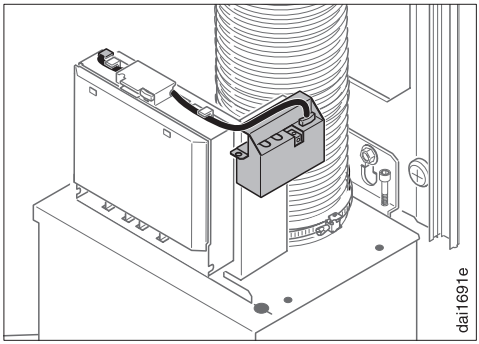
The components of the central extraction system are not supplied as standard by Miele.

If in any doubt, the advice of a competent builder must be sought.

Connection to a light switch

The control module can be used to switch on the cooktop lighting on the rangehood and also to dim it, depending on model, via a light switch in the house.

Installation



The tower needs to be removed before the control module can be fitted to the fan unit.

All electrical work must be carried out by a competent, qualified electrician.

After sales service

In the event of a fault which you cannot correct yourself, please contact:

– Miele

You will find the telephone number and address of Miele on the back cover of the manual.

Please quote the model and serial number when contacting Miele. These are shown on the data plate which is visible when the grease filters are removed.

Warranty

The warranty for this appliance is 2 years.

For further information, please refer to your warranty booklet.

Total rated load* . . . . . 240 W
– Fan motor* . . . . . 200 W
– Cooktop lighting . . . . . 2 x 20 W
Halogen lamps
Osram type 44890 WFL, 20 W

Voltage . . . . . 230 V

Frequency . . . . . 50 Hz

Fuse rating GB . . . . . 3 A

AUS, NZ:

Plug rating . . . . . 10 A

Test marks . . . . . Electrical safety
. . . . . C-Tick Mark

Electrically suppressed
according to AS/NZS 1044

Electrical cable length . . . . . 1.5 m

Weight
DA 249-4 . . . . . 22.5 kg
DA 249-4 EXT . . . . . 19.5 kg
DA 249-4 Alu . . . . . 22.5 kg
DA 249-4 Alu EXT . . . . . 19.5 kg

Fan performance*

Extraction power according to
EN 61591

Extraction system ∅ 150 mm:
Level I . . . . . 200 m^3/h
Level II. . . . . 300 m^3/h
Level III . . . . . 400 m^3/h
Level IV Intensive Setting . . . . 640 m^3/h

Extraction system ∅ 125 mm:
Level I . . . . . 180 m^3/h
Level II. . . . . 280 m^3/h
Level III . . . . . 380 m^3/h
Level IV Intensive Setting . . . . 580 m^3/h

Recirculation with charcoal filter:

Level I . . . . . 150 m^3/h
Level II. . . . . 210 m^3/h
Level III . . . . . 330 m^3/h
Level IV Intensive Setting . . . . 490 m^3/h

Special accessory for recirculation mode:

– Conversion kit DUW 10

– Miele charcoal filter DKF 9-1

* For EXT models, the rated load and extraction power will depend on the type of external motor fitted.

EXT models:
Length of connection cable to external motor. . . . . 1.9 m

Miele Australia Pty. Ltd.
ABN 96 005 635 398

Miele Center and Head Office Melbourne:
1 Gilbert Park Drive
Knoxfield, VIC 3180

Miele Center and Office Melbourne:
208-210 Coventry Street
South Melbourne, VIC 3205

Miele Center and Office Sydney:
3 Skyline Place
Frenchs Forest, NSW 2086

Miele Center and Office Brisbane:
39 Harvey Street North
Eagle Farm, QLD 4009

Miele Center and Office Adelaide:
83-85 Sir Donald Bradman Drive
Hilton, SA 5033

Miele Center and Office Perth:
205-207 Stirling Highway
Claremont, WA 6010

1300 4 MIELE (1300 464 353)

www.miele.com.au

www.miele-shop.com

Miele New Zealand Limited
Miele Center and Head Office
8 College Hill
Freemans Bay
Auckland 1011
New Zealand
Telephone: 0800 264 353
www.miele.co.nz

Miele Global Headquarters Germany
Miele & Cie. KG
Carl-Miele-Straße 29
33332 Gütersloh
Federal Republic of Germany

Alteration rights reserved / 3313

M.-Nr. 09 729 510 / 00

CE